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concluded

wherein in said additive mixture, when present, the nucleic acid is added in an amount of 0.01 to 2.5% by weight per feed weight, when present, the glutamine is added in an amount of 0.05 to 2.5% by weight per feed weight, and, when present, the glutamic acid is added in an amount of 0.05 to 2.5% by weight per feed weight.

✓  
Please add the following new claims:

5 6. (New) The composition according to claim 1, wherein said livestock is selected from the group consisting of a cattle, a swine, a chicken, a horse, a turkey, a sheep, and a goat.

6 7. (New) The composition according to claim 1, wherein said nucleic acid is a deoxyribonucleic acid or a ribonucleic acid.

7 8. (New) The composition according to claim 1, wherein said nucleic acid is selected from the group consisting of a polynucleotide, a nucleoside, a purine base, and a pyrimidine base.

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8 9. (New) The composition according to claim 1, wherein said nucleic acid is selected from the group consisting of an adenosine monophosphate, a guanosine monophosphate, cytidine monophosphate, a uridine monophosphate, a thymidine monophosphate, an inosine monophosphate, adenine, guanine, cytosine, uracil and thymine.

9 10. (New) The composition according to claim 1, wherein said feed is selected from the group consisting of a cereal, soybean meal, isolated soybean protein, isolated soybean oil, isolated soybean fat, skimmed milk, fish meal, meat meal, bone meal, blood meal, blood plasma protein, whey, rice bran, wheat bran, a sweetener, a mineral, a vitamin, salt, and grass.

10 11. (New) The composition according to claim 1, wherein said feed is a cereal.

11 <sup>10</sup> 12. (New) The composition according to claim ~~11~~<sup>10</sup>, wherein said cereal is selected from the group consisting of corn, barley, wheat, rye, sorghum, soybean, yellow powdered soybean.

12 <sup>3</sup> 13. (New) The method according to claim ~~4~~<sup>3</sup>, wherein the daily dose of the nucleic acid ranges from 0.01 to 2.5 g/day per kg body weight of the animal.

13 <sup>3</sup> 14. (New) The method according to claim ~~4~~<sup>3</sup>, wherein the daily dose of the nucleic acid ranges from 0.05 to 1.0 g/day per kg body weight of the animal.

14 <sup>3</sup> 15. (New) The method according to claim ~~4~~<sup>3</sup>, wherein the daily dose of the glutamine or glutamic acid ranges from 0.05 to 2.5 g/day per kg body weight of the animal.

15 <sup>3</sup> 16. (New) The method according to claim ~~4~~<sup>3</sup>, wherein the daily dose of the glutamine or glutamic acid ranges from 0.5 to 2.0 g/day per kg body weight of the animal.

16 <sup>4</sup> 17. (New) The method according to claim ~~5~~<sup>4</sup>, wherein the daily dose of the nucleic acid ranges from 0.01 to 2.5 g/day per kg body weight of the animal.

17 <sup>4</sup> 18. (New) The method according to claim ~~5~~<sup>4</sup>, wherein the daily dose of the nucleic acid ranges from 0.05 to 1.0 g/day per kg body weight of the animal.

18 <sup>4</sup> 19. (New) The method according to claim ~~5~~<sup>4</sup>, wherein the daily dose of the glutamine or glutamic acid ranges from 0.05 to 2.5 g/day per kg body weight of the animal.

19 <sup>4</sup> 20. (New) The method according to claim ~~5~~<sup>4</sup>, wherein the daily dose of the glutamine or glutamic acid ranges from 0.5 to 2.0 g/day per kg body weight of the animal.